

Emission Summary

Permit Number: 970314F

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐ **Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☐ **Previous Permit Number:** Construction N/A Operating .

	Pounds/Hour			Tons/Year ³				Date of Data	*	Applicable Standard 1200-03-
	Actual ¹	Potential	Allowable ²	Actual	Potential	Allowable	Net Change			
TSP	Neg	Neg	0.16	Neg	Neg	0.04	+0.04	5/11/15		06-.02(2)
CO ⁴		37.1	37.11		9.28	9.28	+9.28	5/11/15		09.03(8) & NSPS JJJJ
HC + NO _x ⁴		0.96	0.96		0.24	0.24	+0.24	5/11/15		09.03(8) & NSPS JJJJ

* - Source of data

¹ Actual emissions (pounds/hour) for TSP based on AP-42 emission factors.

² Allowable emissions (pounds/hour) for CO and HC + NO_x based on 40 CFR 60 JJJJ.

³ Emissions (tons/year) based on 500 hours/year EPA default value for emergency generator operation.

⁴ Potential emissions (pounds/hour) for CO and HC + NO_x based on US EPA emission standards.

PERMITTING PROGRAM: JWBa DATE: July 13, 2015

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: TVA Norton Hill Microwave Station File Number: 57-0404 EPS Initials: JWBa

Permit Number(s): 970314P Source Point Number(s): 01

Application Received (date): May 11, 2015 Application Complete (date): May 11, 2015

Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This operation is a new source and consists of one spark ignition propane-fueled emergency generator (43.5 hp = 32.44 kW). PM, CO, and HC + NO_x are emitted by this source.

Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☒ Source category listed in 1200-03-09-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD:	New source above ____ TPY <input type="checkbox"/>	Sig. increase in ____ emissions <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart JJJJ <input checked="" type="checkbox"/>	State Rule 1200-3-16-____ <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 61, Subpart ____ <input type="checkbox"/>	State Rule 1200-3-11-____ <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
“ “	40 CFR Part 63, Subpart ZZZZ <input checked="" type="checkbox"/>	State Rule 1200-3-31-____ <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Other Applicable State Rules

TSP Emissions:	1200-03-06-.02(2)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO _x Emissions:	1200-03-09-.03(8)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>
SO ₂ Emissions:	1200-03-	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Lead Emissions:	1200-3-____-____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-03-09-.03(8)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____-____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
VOC Emissions:	1200-03-09-.03(8)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____-____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Visible Emissions from this Source not to exceed 20 % opacity per Method 9 (Rule 1200-03-05-.03(6))